

ACUTELY HAZARDOUS MATERIALS REGISTRATION FORM

THIS FORM MUST BE COMPLETED BY THE OWNER OR OPERATOR OF EACH BUSINESS IN CALIFORNIA WHICH AT ANY TIME HANDLES ACUTELY HAZARDOUS MATERIAL IN QUANTITIES GREATER THAN 500 POUNDS, 55 GALLONS OR 200 CUBIC FEET OF GAS AT STP. SUBMIT THIS FORM TO YOUR LOCAL ADMINISTERING AGENCY. (§25533 & 25536 Health & Safety Code)

Note Instructions on reverse

Business Name GENERAL CHEMICAL CORPORATION

Business Site Address 525 CASTRO STREET, RICHMOND, CA 94801

Business Mailing Address (If different) P.O. BOX 1712, RICHMOND, CA 94802

Business Phone (510) 232-7193 Business Plan Submission Date¹ SENT 02/93

Process Designation² _____

ACUTELY HAZARDOUS MATERIALS HANDLED³

-USE ADDITIONAL PAGES IF NECESSARY-

<u>CHEMICAL NAME</u>	<u>QUANTITY</u>
<u>SULFUR DIOXIDE</u>	<u>5,000 LBS</u>
<u>SULFUR TRIOXIDE</u>	<u>5,000 LBS</u>
<u>SULFURIC ACID (INCLUDES OLEUM & SPENT SULFURIC ACID)</u>	<u>15,800,000 LBS</u>
<u>VANADIUM PENTOXIDE</u>	<u>50,000 LBS</u>
_____	_____
_____	_____
_____	_____

GENERAL DESCRIPTION OF PROCESSES AND PRINCIPAL EQUIPMENT⁴: _____

SEE ATTACHED SHEET

SIGNATURE  TITLE PLANT MANAGER

PRINTED NAME ROBERT B. JEWETT DATE 2/26/93

AB2185/SARA TITLE III EMERGENCY RESPONSE AND EVACUATION PLAN/EMPLOYEE TRAINING PROGRAM CHECK LIST

Business Name GENERAL CHEMICAL CORPORATION Site ID # 16644
 Site Address 525 CASTRO STREET, RICHMOND, CA 94801 Date _____

Emergency response plans and procedures as well as employee training are required to be reported by hazardous materials handlers. These documents are to be included in the AB2185 Business Plans. The list below is intended to serve as a template or check sheet so that any business that is required to produce and maintain these documents will have a beginning reference. The page # refers to that page number in your Business Plan that contains the item in the check sheet. Larger more complex facilities should summarize these programs by documenting those personnel responsible for these plans and how they can be contacted; they must also provide a summary of the plans' structure and where the more detailed programs are located on the facilities for review by inspecting personnel.

I. NOTIFICATION/ ALARM PROCEDURES

Business Plan
Page Number

- | | |
|-------------------------------------------------------------------------------------------------------------------------|----|
| A. Call 911 | P1 |
| 1. Notify local fire department or public emergency response agency. | P1 |
| 2. Notify medical emergency response. | P1 |
| B. Notify on site response personnel. | P1 |
| C. Activate local alarm systems. | P1 |
| D. Notify Contra Costa County Health Services Department (646-1112). | P1 |
| E. Notify State Office of Emergency Services (800-852-7550). | P1 |
| (If the spill involves a waste material then notify State Dept. of Health Services, also) | |
| F. Submit a written follow-up spill notification to the State O.E.S.
and the County Health Services Department. | P1 |

II. EVACUATION

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| A. Procedures for evacuation which include initiating the alarm, area evacuations,
building evacuations and facility evacuations. | Evac. Plan and
RCRA Contingency Plan |
| B. Define routes of evacuations..... | " " " " |
| C. Identify assembly areas..... | " " " " |
| D. Identify where emergency response and evacuation plans are posted..... | " " " " |
| E. Procedures for re-entry..... | " " " " |

III. EMERGENCY EQUIPMENT

- | | |
|-----------------------------------------------------------------------------|--------------------------------------|
| A. Describe all emergency response equipment, its location and its use..... | RCRA Contingency
Plan & SPCC Plan |
|-----------------------------------------------------------------------------|--------------------------------------|

IV. EMERGENCY RESPONSE PROCEDURES

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| A. Provide procedures for the handling of a hazardous material release or threat
of a release for all materials listed in the chemical inventory..... | SPCC & RCRA
Contingency Plan |
| B. List all emergency contact personnel. These people must have:..... | " " " " |
| 1. Technical knowledge and familiarity of that part of the facility that they
are responsible for during an emergency. | |
| 2. Full access to this facility. | |
| 3. Authority to make decisions during an emergency. | |

CHECK LIST (CONT)

V. EMPLOYEE TRAINING REQUIREMENTS

Business Plan
Page Number

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| A. All personnel are trained in safety and emergency response procedures within six months of hiring. _____ | P6 |
| B. Refresher training is provided annually. _____ | P7 |
| C. All employees are trained and drilled in the following: | |
| 1. Procedures for internal alarms and on-site notification of emergencies _____ | P6 |
| 2. Procedures for emergency response notification off-site. _____ | P6 |
| 3. Location and content of facility emergency response plan. _____ | P6 |
| 4. Evacuation and re-entry procedures. _____ | P6 |
| 5. Procedures for chemical spill mitigation. _____ | P6 |
| D. Hazardous material handlers are trained in the following: | |
| 1. Safe methods for storage and handling of these materials _____ | P6 |
| 2. Proper fitting and use of personal protective equipment. _____ | P6 |
| 3. Proper use and locations of fire and spill control equipment _____ | SPCC Plan |
| 4. Knowledge of specific hazards of each chemical to which employees may be exposed. Use the information available from material safety data sheets and any other relevant sources of information. _____ | P7 |
| E. Emergency response team personnel are trained (addition to the above) in the following: | |
| 1. Rescue and containment procedures. _____ | N/A |
| 2. Procedures for shutdown of operations _____ | " |
| 3. Use and maintenance of emergency equipment. _____ | " |

VI. EMPLOYEE TRAINING DOCUMENTATION

- | | |
|-----------------------------------------------------------------------------------------------------------|------------|
| A. List the names and telephone numbers of facility personnel responsible for training employees. _____ | Appendix D |
| B. Training records must include the following: | |
| 1. Training verification (i.e. date and signatures) _____ | Appendix D |
| 2. Description of introductory and continuing training (e.g. type and amount). _____ | P7 |
| 3. Training records to be retained for three years (or longer based on other laws) _____ | P7 |
| 4. Documentation must be available on-site for review by administering agency inspection personnel. _____ | P7 |

ATTACHMENT L

MODEL MULTI-MEDIA SCREENING CHECKLIST

GENERAL INFORMATION

1. Inspector(s) Name MARIA KELLY 2. Date 4/26/93

3. Facility Name/Address

GENERAL CHEMICAL
525 CASTRO STREET
RICHMOND, CA 94802

4. Facility Contact(s)/Title(s)

ROBERT TREWETT, PLANT MANAGER

5. Description of Facility Operations

SIC Code _____

Number of Employees 34

Operating Schedule 7 DAYS, 24 HOURS

Major Products/Production Capacity SULFURIC ACID
PRODUCTION

RCRA

Observations

1. Does the facility generate or otherwise handle hazardous wastes? _____

2. Do you see any containers of hazardous waste, land disposal units, lagoons, treatment units? Approximately how many? _____

3. Were any of the units that contain or handle hazardous wastes (containers, berms, dikes, tanks, piping, impoundments, etc.) in poor condition, unmarked, open, leaking, cracked, corroded, or in a condition that would allow the release or potential release of hazardous wastes? If yes, describe unit(s). Any actual or evidence of past releases observed? If so, describe waste (i.e., liquid, sludge, etc.), unit(s), and location.

4. Does the facility operate a boiler or industrial furnace which burns hazardous wastes? Was there any incineration of hazardous waste on site?

5. Was there any evidence of spills, leaks, or discharges of hazardous wastes? If so, provide location and description.

Interview Questions/Records Review

1. If the facility is a generator of hazardous waste was there a notification of hazardous waste activity? What is the quantity (kilograms/month) of hazardous wastes produced? How are they produced?

2. What is the EPA Identification Number? _____

3. What was the basis (i.e. test, knowledge of process and waste) for determining if the facility did or did not produce or handle hazardous wastes? Who made the determination?

4. Does the facility have copies of shipping manifests? Obtain copies of a month's (or other specific time frame) set of manifests.

UST

Observations

1. Are there any underground storage tanks? ONLY PRODUCT TANKS!
NO - GASOLINE + DIESEL
2. Approximately how many? What are the contents? (Wastes, virgin petroleum, or chemicals)

NOT ADDRESSED

3. What type of leak detection is used? When was it last used?

4. Is there any evidence of leaks, spills, broken piping, broken fill/vent lines, or leaking pumps joints or valves? Provide location and description.

Interview Questions/Records Review

1. If the tanks are for virgin petroleum or chemicals (not wastes) are they registered with the state? Date of registration? Date of tank(s) installation?

SPCC

Observations

1. Does the facility have the capacity to store oil either in above or below ground tanks? How many gallons? Does any tank have a capacity of more than 660 gallons in a single tank or does the facility have a capacity of more than 1320 gallons in a number of tanks or a capacity of more than 42,000 gallons below the ground?

OIL MAY BE STORED IN 1,000 GAL TANKS

2. What type of secondary containment is used at the facility? Were there any deficiencies in the secondary containment (cracks, broken, dikes left open)? Is it adequate to contain the entire contents of the largest tank?

NOT ADDRESSED

Interview Questions/Records Reviews

1. Does the facility have a certified (signed by a P.E.) plan? When was it last updated?

2. Has there been any major changes to oil storage at the facility since the last modification of the plan?

WETLANDS

Observations

1. Are there any wet areas near the facility with wetland-type vegetation (cattails, rushes, sedges) that have been disturbed by waste disposal, ditching, or filling?

NOT ADDRESSED

Interview Questions/Record Reviews

1. Does the facility have a federal section 404 permit or any state or local permit authorizing the fill?

FIFRA

Observations

1. Does the facility produce pesticides? No
 2. Is the facility applying pesticides? No
 3. Where are the pesticides stored? N/A
-

Interview Questions/Records Review

1. If the facility produces pesticides what is the establishment's registration number? _____
2. If the facility is applying pesticides what is the registration number of the pesticide? _____

AIR

Observations

1. Is there any asbestos on site? NOT ADDRESSED
2. Is the facility undergoing or has the facility undergone any renovations or demolitions during the last 18 months which involve the removal or disturbance of asbestos-containing materials? Approximately how much asbestos (square feet or linear feet) was removed?
↓

3. Does the facility have any coating or printing operations? Does the facility use any paints or organic solvents? What, if any, type of air pollution control is used? Was it operating?

YES - ORGANIC SOLVENTS

ABATEMENT UNIT IS UTILIZED

4. Were there any odors? What process was the source of the odors? Describe the odors.

STRONG SULFUR ODORS

5. Were there any visible (opaque smoke) emissions? What process was the source? Were there any fugitive (not from a stack) emissions? Was the air pollution control equipment, if any, operating? Describe source.

NOT ADDRESSED

Interview Questions/Records Reviews

1. If asbestos was removed was notification provided to the State and EPA? _____
2. If the facility has coating or printing operations are they water based or organic solvent based?

3. Does the facility handle/emit any of the National Emission Standards for Hazardous Air Pollutants (NESHAP) chemicals other than asbestos (mercury, beryllium, vinyl chloride, benzene, arsenic, radionuclides)? Describe process.

4. Has the facility added new or expanded existing processes in the last two years? Was it permitted by EPA of the State?

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
(Insert name and address of Cal/EPA Board/Department)

INTERAGENCY REFERRAL

An inspection was made by a representative of this Board/Department on the date and at the location indicated below. During the course of our inspection, the following conditions were noted which your Board/Department or Agency may wish to investigate.

REFERRED TO:

Name of Board/Department or Agency: _____

Complete address: _____

Telephone number: _____

Attention: _____

_____ Please advise of your disposition of this matter

LOCATION/FACILITY INSPECTED

Facility/owner's name: _____

Complete address: _____

Telephone number: _____

Occupant's name: _____

Permit/identification number (e.g., EPA generator ID, wastewater discharge permit, etc.), if available: _____

Inspector: _____ Telephone number: _____

Inspection date: _____ Referral date: _____

Violations/Conditions noted: _____

Assistant Secretary for Law Enforcement
555 Capitol Mall, Suite 235
Sacramento, CA 95814
Tel. (916) 327-2064
Fax (916) 322-6005

California Air Resources Board
Compliance Division
2020 L Street
Sacramento, CA 95814
Tel. (916) 322-6022
Fax (916) 445-5745

California Integrated Waste Management Board
Permitting and Compliance Division
880 Cal Center Drive
Sacramento, CA 95826
Tel. (916) 255-2431
Fax (916) 255-2574

Department of Toxic Substances Control
400 P Street, 4th Floor
Sacramento, CA 95812

Criminal Investigations Branch
Tel. (916) 324-2448
Fax (916) 323-5542

Surveillance and Enforcement Branches:

Region 1 (Sacramento)	Region 2 (Berkeley)
Tel. (916) 255-3549	Tel. (510) 540-3860
Fax (916) 255-3595	Fax (510) 540-5907

Region 3 (Glendale)	Region 4 (Long Beach)
Tel. (818) 551-2816	Tel. (310) 590-5950
Fax (818) 551-2901	Fax (310) 590-5907

Toxic Hotline 1-800-69-TOXIC

Department of Pesticide Regulation
Pesticide Enforcement Branch
1220 N Street
Sacramento, CA 95814
Tel. (916) 654-0831
Fax (916) 654-1427

Field Offices:

Anaheim (714) 680-7903 Berkeley (510) 540-2910

Fresno (209) 445-5401 Sacramento (916) 445-6983

Office of Environmental Health Hazard Assessment
601 North 7th Street
Sacramento, CA 94234-7320
Tel. (916) 324-7572
Fax (916) 327-1097

North Coast Region (1)
5550 Skylane Blvd., Ste. A
Santa Rosa, CA 95403
Tel (707) 576-2200
Fax (707) 523-0135

San Francisco Bay Region (2)
2101 Webster Street, Ste. 500
Oakland, CA 94612
Tel (510) 286-0515
Fax (510) 286-1380

Central Coast Region (3)
81 Higuera Street, Ste. 200
San Luis Obispo, CA 93401-5414
Tel (805) 543-0397
Fax (805) 543-0397

Los Angeles Region (4)
101 Centre Plaza Drive
Monterey Park, CA 91754-2155
Tel (213) 266-7510
Fax (213) 266-7600

Central Valley Region (5)
3443 Routier Road
Sacramento, CA 95827-3098
Tel (916) 255-3039
Fax (916) 255-3015

Lahontan Region (6)
2092 Lake Tahoe Blvd., Ste. 2
South Lake Tahoe, CA 96150
Tel (916) 544-3481
Fax (916) 544-2271

Colorado River Basin Region (7)
73-720 Fred Waring Drive, Ste. 10
Palm Desert, CA 92260
Tel (619) 346-7491
Fax (619) 341-6820

Santa Ana Region (8)
2010 Iowa Avenue, Ste. 100
Riverside, CA 92507-2409
Tel (909) 782-4130
Fax (909) 781-6288

San Diego Region (9)
9771 Clairemont Mesa Blvd., Ste. 1
San Diego, CA 92124
Tel (619) 467-2952
Fax (619) 571-6972

Prosecutors (e.g., U.S. Attorney, Attorney General, City/
District Attorney, etc.)

Other State/Local Enforcement Agencies (e.g., CHP, FBI,
air district, county health, etc.)

ENVIRONMENTAL ASSESSMENT

1. Is there any evidence of environmental impacts that haven't been addressed? Possible examples include:

- additional evidence of spills, leaks
- vegetation damage in the surrounding area
- odors in the surrounding neighborhood
- neighborhood covered with "dusts"
- poor water quality in streams near the facility

SULFUR LEAKS, SPILLS

2. Were there situations of possible excessive occupational exposures that should be referred to OSHA?

No

SDWA-PWS

Interview Questions/Record Reviews

1. What is the facility's source of drinking water? Does the facility have a private well? How many people does it serve?

N/A

2. Is the water sampled and analyzed for contaminants? Are the results reported to the state or EPA?

✓

SDWA-UIC

Observations

1. Are there any discharges other than sanitary waste (i.e. industrial wastes) into or onto (including drain fields) the ground? Is a on-site septic disposal system used? Describe the discharges and disposal system.

No

Interview Questions/Records Review

1. Does the facility have or has it had any wells (dug, drilled or driven), dry wells, leachfields, or septic systems? Did they receive(d) commercial or industrial waste (liquid and/or solid), cooling water, or drainage from roof drains, floor drains, or parking lots? If yes, give a description.

N/A

2. Does the facility have a permit?

3. What is the current status of wells (active, abandoned, under construction, repairs)?

4. If the wells are inactive what was the date they were last used?

EPCRA

Interview Questions/Records Review

1. Were there any chemical releases in excess of the reportable Superfund quantities (see below)? Who was provided the notification? Was it oral or written?

YES. ORAL + WRITTEN

2. Does the facility manufacture, process, or use any toxic chemicals in a quantity greater than 10,000 lbs/yr? Identify them. Are any of them section 313 chemicals (see below)?

150,000 TONS SULFURIC PRODUCT

3. If the answer to question 2 is yes, has the facility submitted the toxic chemical release form (R)?

YES

4. Does the facility have the Material Safety Data Sheets on site and were they submitted to the State Emergency Response Commission (SERC) and/or the Local Emergency Planning Committee (LEPC)?

NOT ADDRESSED

5. Has the facility submitted the Emergency and Hazardous Chemical Inventory forms to the LEPC and SERC?

The chemicals subject to these requirements can be found in EPA publication number 560/4-92-011, January 1992, "Title III, List of Lists".

WATER-NPDES

Observations

1. Does the facility use water in it's manufacturing process?
YES

2. Does the facility discharge to a stream, municipal sewer, or use subsurface disposal?

CONNECTED TO CHEVRON USA REFINERY

3. What process(s) generate wastewater? Is the wastewater treated? Is the effluent clear? Does the treatment plant appear to be maintained (look for rust, dry basins, abandoned equipment, etc.)?

STORM WATER

PIPED TO CHEVRON USA REFINERY

PH = 6

4. Where does the storm water drain to? 4 TANKS FOR NEUTRALIZATION

5. Where do floor drains discharge?

N/A

Interview Questions/Records Review

1. How is the treatment plant's sludge disposed? How is it tested?

NOT ADDRESSED

TSCA-PCB'S

Observations

1. Did the facility have or does it have any PCB electrical equipment? What equipment (type and quantity) is on-site?

2 TRANSFORMERS - OIL ANALYZED

(1) 29 PPM PCBs - 39 PPM PCBs - MAIN

(2) 31 PPM PCBs - 270 PPM PCBs - MAIN

POWER = 12,000 VOLTS, 2300 VOLTS, 4400 VOLTS

2. Does the facility have a PCB equipment storage area for disposal or reuse? Describe the storage area (i.e. concrete pad, walls, roof, curbs).

NOT ADDRESSED

3. Are there any labels/markings on the PCB equipment?

4. Is there any leaking PCB electrical equipment? Describe.

5. Does the facility have any hydraulic systems? Any leaking?

Interview Questions/Records Review

1. If the facility has PCB electrical equipment was it tested? What were the test results?

2. If the facility has any hydraulic systems when were they tested for PCBs? What were the test results?